

NDOW 1703

JOB COMPLETION REPORT  
RESEARCH PROJECT SEGMENT

State of Nevada

Project No. F-11-R-5

Job Nos. 1, 2.

Name: Owyhee District Management  
Investigations

Title: Jarbidge River, West Fork  
Elko County, Nevada

Period Covered: January 1, 1962 to December 31, 1962

**Abstract:** Hatchery trout comprised twenty five percent of the angler catch on this river. Catch rate was 2.6 trout per hour average for 87 fishermen checked.

**Recommendations:** With an above-average rate of catch persisting on this stream, it is possible to further reduce the total annual stocking without lowering the quality of the angling.

**Objectives:** Refer to 'Objectives' in the Job Descriptions.

**Techniques Used:** Refer to 'Procedures' in the Job Descriptions.

**Findings:** Job 1 - Fisherman Use and Creel Census

(Days spent on this job - 14)

Attachment #1 (FF75)

Fourteen checks were made between June 19 and August 26, interviewing 87 anglers. The percentage of marked hatchery trout in the creel over the entire period averaged twenty five percent. Two percent of these were from the 1961 stocking. The rate of catch was lower in 1962 (2.6 fish per hour, compared to 3.9 in 1961). Because stocking rates for 1961 and 1962 were identical (1000 pounds), there appears to be little relation between abundance of planted fish and their catch rate.

Job 2 - Tagging and Fin Clipping

(Days spent on this job - 2)

Attachment #2 (FF76)

The entire allotment of rainbow trout (1000 pounds), was marked by clipping off the left pelvic fin. It was then possible to determine the hatchery rainbow trout contribution to the angler's catch.

Prepared by:

William A. Nisbet  
Wildlife Manager

Approved by:

Frank W. Groves, Director

Date: March 1, 1963

BY: Joskins

START: 1:30 P-8/11/62

FINISH: 1:30 P 8/12/62 TOTAL HOURS: approx 10

WEATHER: Clear  
Clear

WATER TEMP:

**AIR TEMP:**

WATER CONDITIONS: Clear

ANG	CAR	TOTAL FISH	HRS.	HOME TOWN	Rainbow, wild SPECIES	Rainbow Pelvic SPECIES	Rainbow eye SPECIES	Wolby Warbler SPECIES
1	1	5	1 1/4	EIKO	4" I			
1	1	12	1 1/4	EIKO	5" III			
1	1	2	1 1/4	Henderson	6" III			
1	1	2	1 1/2	Xerington	7" III			
1	1	4	1	London City	7" III			
2	1	4	1	EIKO	8" III			
2	1	4	3	London City (Given Back) (Can't)	9" III			
					10" III			
					11" I			
					12" II			
					13" I			

Charles Brandy  
Box 22  
4111 1/2  
FF No. 35  
(Sample)

see  
fish info  
+  
temp  
int

A second year of creel census activity on the west fork of the Jarbridge River has greatly enlarged our knowledge of the hatchery reared rainbow trout contribution to the angler's catch.

Fourteen spot checks were made from June 19 to August 26, interviewing 87 fishermen, and the numbers of marked hatchery trout and wild fish noted. The percentage of hatchery fish in the creel over the entire period averaged 25%.- Two per cent of these were from the planting of the previous year. This is very near the 1961 figure of 20% (first year returns only) hatchery trout. The size average for the wild rainbow trout only slightly increased, (larger trout were stocked this year). The rate of catch was lower in 1962 (2.6 fish per hour compared to 3.9 in 1961). Because stocking rates for 1961 and 1962 were identical (1000 lbs.), there is little relation between abundance of <sup>planted</sup> fish in the stream and their catch rate. The eastern brook trout checked this year were in all likelihood inadvertently included with the hatchery loads of rainbows; as their inability to survive or reproduce in this stream was demonstrated in the 1961 report.

With an above average rate of catch persisting on this stream, it is possible to further reduce the total annual stocking without lowering the quality of the angling.

#### LENGTH - FREQUENCY OF ANGLER - CAUGHT FISH; 1962

	<u>5 in.</u>	<u>6 in.</u>	<u>7 in.</u>	<u>8 in.</u>	<u>9 in.</u>	<u>10 in.</u>	<u>11 in.</u>	<u>12 in.</u>	<u>Av. Size</u>
Wild Rainbow	28	129	84	13	2	1	-	-	6.8 in.
Hatch. Rainbow (1961)	-	-	-	1	2	1	-	2	10.0 in.
Hatch. Rainbow (1962)	-	-	-	13	37	25	5	4	9.4 in.
Dolly Varden	-	1	3	3	2	-	-	-	7.7 in.
Eastern Brook	1	-	1	1	1	-	-	-	7.2 in.
Whitefish	-	-	-	-	1	1	-	-	9.5 in.

JARBIDGE RIVER - W. Fork  
1962

<u>Date</u>	<u>Anglers</u>	<u>Angler Hours</u>	<u>No. Fish</u>	<u>Residence</u>
6/19	2	4	6	Idaho
	2	6	8	Calif.
	3	6	5	Calif.
7/4	2	4	11	Calif.
7/5	2	3	3	Carlin
7/7	3	6	26	Elko
	1	2	7	Elko
	2	1½	4	Calif.
	1	1	8	Carson City
	2	4	9	Carlin
	1	3	15	Elko
	1	2	6	California
7/8	1	1	4	Elko
	3	1½	1	Elko
	2	4	14	Elko
	1	2	2	Reno
	3	6	5	Elko
7/21	2	6	23	Carlin
	1	3	15	Ely
	2	6½	18	Elko
	2	2½	18	Carlin
	5	15	29	Owyhee
	2	3	10	Elko
7/22	2	4	14	Calif. & Idaho
	1	1½	10	Calif.
	4	16	29	2 Elko, 2 Utah
7/25	2	5	30	Reno
8/12	2	6	5	Carson City
8/18	1	4	11	Carlin
	1	1½	5	Elko
8/19	1	3	4	Carlin
	1	2½	4	Elko
	1	3	0	Owyhee
	1	1	5	Colorado
	1	1	4	Elko
	2	3	3	Iowa
	2	1	0	Elko
	4	4	36	Charleston
8/24	2	4	30	Idaho, Jarbidge
	2	6	21	Idaho
8/25	1	1½	0	Elko
8/26	5	20	29	Carlin
	3	6	11	Elko
	2	6	12	Idaho
TOTAL	87	192½	510	2.6 fish/hour